LISTING OF THE PENDING CLAIMS

1-11. (Cancelled)

12. (Previously Presented) An apparatus, comprising:

at least one light source adapted to be supported by one of a pool and a spa to illuminate a liquid contained in the one of the pool and the spa, the at least one light source including at least one LED and being positioned so as to illuminate the liquid with substantially unguided radiation, wherein the one of the pool and the spa has a range of typical liquid levels of the liquid during use, and wherein the at least one light source is adapted to be disposed below the range of typical liquid levels; and

an encapsulant to protect the at least one light source from moisture.

13. (Cancelled)

14. (Previously Presented) The apparatus of claim 12, wherein the encapsulant is in contact with at least the at least one LED.

15. (Original) The apparatus of claim 14, wherein the encapsulant includes a conformal coating.

16. (Cancelled)

17. (Previously Presented) An apparatus, comprising:

at least one light source adapted to be supported by one of a pool and a spa to illuminate a liquid contained in the one of the pool and the spa, the at least one light source including at least one LED, and

an interface coupled to the at least one light source, the interface being adapted to engage mechanically and electrically with a conventional light socket supported by the one of the pool and the spa, wherein:

the conventional light socket includes a wedge type light socket; and

the interface is adapted to engage mechanically and electrically with the wedge type light socket.

18. (Previously Presented) An apparatus, comprising:

at least one light source adapted to be supported by one of a pool and a spa to illuminate a liquid contained in the one of the pool and the spa, the at least one light source including at least one LED, and

an interface coupled to the at least one light source, the interface being adapted to engage mechanically and electrically with a conventional light socket supported by the one of the pool and the spa, wherein:

the conventional light socket includes a screw type light socket; and

the interface is adapted to engage mechanically and electrically with the screw type light socket.

19. (Previously Presented) An apparatus, comprising:

at least one light source adapted to be supported by one of a pool and a spa to illuminate a liquid contained in the one of the pool and the spa, the at least one light source including at least one LED, and

an interface coupled to the at least one light source, the interface being adapted to engage mechanically and electrically with a conventional light socket supported by the one of the pool and the spa, wherein:

the conventional light socket includes a multi-pin light socket; and

the interface is adapted to engage mechanically and electrically with the multi-pin light socket.

20. (Previously Presented) An apparatus, comprising:

at least one light source adapted to be supported by one of a pool and a spa to illuminate a liquid contained in the one of the pool and the spa, the at least one light source including at least one LED,

wherein the at least one light source is adapted to generate radiation of different colors without requiring the use of a color filter.

21-22. (Cancelled)

23. (Previously Presented) An apparatus, comprising:

at least one light source adapted to be supported by one of a pool and a spa to illuminate a liquid contained in the one of the pool and the spa, the at least one light source including at least one LED,

wherein the at least one LED includes at least two independently controllable LEDs.

24. (Previously Presented) An apparatus, comprising:

at least one light source adapted to be supported by one of a pool and a spa to illuminate a liquid contained in the one of the pool and the spa, the at least one light source including at least one LED,

wherein the at least one light source includes at least two independently controllable light sources.

25. (Original) The apparatus of claim 24, wherein the at least two independently controllable light sources include at least two independently addressable light sources.

26. (Cancelled)

27. (Previously Presented) An apparatus, comprising:

at least one light source adapted to be supported by one of a pool and a spa to illuminate a liquid contained in the one of the pool and the spa, the at least one light source including at least one LED,

further comprising at least one controller coupled to the at least one light source to control radiation output by the at least one light source.

28. (Original) The apparatus of claim 27, wherein the at least one controller is adapted to control a color of the radiation output by the at least one light source.

29. (Original) The apparatus of claim 27, wherein the at least one controller is adapted to control an intensity of the radiation output by the at least one light source.

30. (Original) The apparatus of claim 27, wherein:

the at least one controller outputs at least one control signal to the at least one light source to control the radiation output by the at least one light source; and

the at least one control signal includes at least one pulse width modulated signal.

31. (Original) The apparatus of claim 27, wherein:

the at least one controller outputs at least one control signal to the at least one light source to control the radiation output by the at least one light source; and

the at least one control signal includes at least one variable analog signal.

32. (Original) The apparatus of claim 27, wherein:

the at least one LED includes at least a first LED and a second LED, the first and second LEDs having different colors; and

the at least one controller is adapted to control a first intensity of the first LED and a second intensity of the second LED.

33. (Previously Presented) An apparatus, comprising:

at least one light source adapted to be supported by one of a pool and a spa to illuminate a liquid contained in the one of the pool and the spa, the at least one light source including at least one LED,

further comprising at least one controller coupled to the at least one light source to control radiation output by the at least one light source, and

at least one storage device, coupled to the at least one controller, to store at least one illumination program, wherein the at least one controller is adapted to execute the at least one illumination program so as to control the radiation output by the at least one light source.

34. (Previously Presented) An apparatus, comprising:

at least one light source adapted to be supported by one of a pool and a spa to illuminate a liquid contained in the one of the pool and the spa, the at least one light source including at least one LED; and

at least one controller coupled to the at least one light source to control radiation output by the at least one light source, wherein the at least one light source includes at least a first light source and a second light source each adapted to be supported by the one of the pool and the spa and to illuminate the liquid contained in the one of the pool and the spa, wherein the at least one controller includes at least a first controller coupled to the first light source and a second controller coupled to the second light source, and wherein:

each of the first controller and the second controller is independently addressable; and

the first controller and the second controller are coupled together to form a networked lighting system.

35. (Previously Presented) A light fixture for one of a pool and a spa, comprising: at least one LED; and

an interface coupled to the at least one LED, the interface being adapted to engage mechanically and electrically with a wedge type light socket supported by the one of the pool and the spa, wherein the at least one LED includes at least two differently colored LEDs.

36. (Original) The light fixture of claim 35, wherein the interface includes means for engaging mechanically and electrically the at least one LED with the wedge type light socket.

37. (Cancelled)

38. (Original) The light fixture of claim 35, wherein the at least one LED includes at least one red LED, at least one green LED, and at least one blue LED.

39. (Previously Presented) A light fixture for one of a pool and a spa, comprising: at least one LED; and

an interface coupled to the at least one LED, the interface being adapted to engage mechanically and electrically with a wedge type light socket supported by the one of the pool and the spa, wherein the one of the pool and the spa has a range of typical liquid levels of the liquid during use, wherein the wedge type light socket is located below the range of typical liquid levels, and wherein the light fixture further includes:

an encapsulant to protect the at least one LED from moisture.

40. (Original) The light fixture of claim 39, wherein the encapsulant is in contact with at least the at least one LED.

41. (Original) The light fixture of claim 40, wherein the encapsulant includes a conformal coating.

42. (Previously Presented) A light fixture for one of a pool and a spa, comprising:

at least one LED; and

an interface coupled to the at least one LED, the interface being adapted to engage mechanically and electrically with a wedge type light socket supported by the one of the pool and

the spa, wherein the interface includes two pins to engage at least electrically with the wedge type light socket.

43. (Original) The light fixture of claim 42, wherein each pin of the two pins has a diameter of approximately 0.09 inches.

44. (Original) The light fixture of claim 42, wherein each pin of the two pins has a length of approximately 0.46 inches.

45. (Original) The light fixture of claim 42, wherein the two pins are separated from each other by a distance of approximately 0.25 inches.

46. (Original) The light fixture of claim 42, wherein:

each pin of the two pins has a diameter of approximately 0.09 inches;

each pin of the two pins has a length of approximately 0.46 inches; and

the two pins are separated from each other by a distance of approximately 0.25 inches.

47. (Original) The light fixture of claim 42, wherein at least one pin of the two pins includes at least one perturbation to facilitate mechanical engagement of the interface and the wedge type light socket.

48. (Original) The light fixture of claim 47, wherein the at least one perturbation includes at least one indented groove formed at least partially around a circumference of the at least one pin.

49. (Original) The light fixture of claim 48, wherein the at least one perturbation includes at least one continuous indented groove formed completely around the circumference of the at least one pin.

50. (Original) The light fixture of claim 49, wherein the at least one continuous indented groove has a perturbation diameter of approximately 0.065 inches.

51. (Original) The light fixture of claim 47, wherein the at least one perturbation includes at least one protruding ring formed at least partially around a circumference of the at least one pin.

52. (Original) The light fixture of claim 51, wherein the at least one perturbation includes at least one continuous protruding ring formed completely around the circumference of the at least one pin.

53. (Original) The light fixture of any of claims 47-52, wherein the at least one perturbation is located approximately 0.17 inches from an end of the at least one pin.

54. (Original) The light fixture of claim 47, wherein a first pin of the two pins includes a first perturbation and a second pin of the two pins includes a second perturbation to facilitate mechanical engagement of the interface and the wedge type light socket.

55. (Original) The light fixture of claim 42, wherein the interface includes at least one rubber grommet to facilitate mechanical engagement of the interface and the wedge type light socket.

56. (Original) The light fixture of claim 55, wherein:

each pin of the two pins has a diameter of approximately 0.09 inches;

each pin of the two pins has a length of approximately 0.46 inches;

the two pins are separated from each other by a distance of approximately 0.25 inches;

a first pin of the two pins includes a first perturbation and a second pin of the two pins includes a second perturbation to facilitate mechanical engagement of the interface and the wedge type light socket;

the first perturbation is located approximately 0.17 inches from an end of the first pin; and

the second perturbation is located approximately 0.17 inches from an end of the second pin.

57. (Original) The light fixture of claim 56, wherein:

the first perturbation includes at least one first indented groove formed at least partially around a circumference of the first pin; and

the second perturbation includes at least one second indented groove formed at least partially around a circumference of the second pin.

58. (Original) The light fixture of claim 57, wherein each of the first and second perturbations has a perturbation diameter of approximately 0.65 inches.

59. (Original) The light fixture of claim 56, wherein:

the first perturbation includes at least one first protruding ring formed at least partially around a circumference of the first pin; and

the second perturbation includes at least one second protruding ring formed at least partially around a circumference of the second pin.

60. (Original) The light fixture of claim 56, wherein the one of the pool and the spa has a range of typical liquid levels of the liquid during use, wherein the wedge type light socket is located below the range of typical liquid levels, and wherein the light fixture further includes:
an encapsulant to protect the at least one LED from moisture.

61. (Original) A method of illuminating a liquid in one of a pool and a spa, comprising acts of:

a) engaging at least one light fixture mechanically and electrically with a wedge type light socket supported by the one of the pool and spa, the at least one light fixture including at least one LED; and

b) providing at least power to the at least one light fixture via the wedge type light socket to illuminate the liquid.

62. (Previously Presented) A method of illuminating a liquid in one of a pool and a spa, comprising acts of.

a) engaging at least one light fixture mechanically and electrically with a wedge type light socket supported by the one of the pool and spa, the at least one light fixture including at least one LED; and

b) providing at least power to the at least one light fixture via the wedge type light socket to illuminate the liquid, wherein the one of the pool and the spa has a range of typical liquid levels of the liquid during use, wherein the wedge type light socket is located below the range of typical liquid levels, and wherein the act a) comprises an act of. engaging the at least one light fixture, below the range of typical liquid levels, with the wedge type light socket.

63-73. (Cancelled)

74. (Previously Presented) The light fixture of claim 46, wherein the at least one LED includes at least two differently colored LEDs.

75. (Previously Presented) The light fixture of claim 56, wherein the at least one LED includes at least two differently colored LEDs.